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			*	20	*	40	*	
ANH0009	:	MEVKPPPGRPO	PSGRRRRRR	GEEGHDPKEPEQLRKLF	FIGGLSFET	TTDDS	:	50
XM_087061	:	MEVKPPPGRPO	PSGRRRRRR	GEEGHDPKEPEQLRKLF	FIGGLSFET	TTDDS	:	50
				60	*	80	*	100
ANH0009	:	LREHFEKWGTLTDCVVMRDPQTKRSRGFGFVTYSCVEEVDAAMCARPHKV	:	100				
XM_087061	:	LREHFEKWGTLTDCVVMRDPQTKRSRGFGFVTYSCVEEVDAAMCARPHKV	:	100				
			*	120	*	140	*	
ANH0009	:	DGRVVEPKRAVSREDSVKPGAHLTIVKKIFVGGIKEDTEEYNLRDYFEKYG	:	150				
XM_087061	:	DGRVVEPKRAVSREDSVKPGAHLTIVKKIFVGGIKEDTEEYNLRDYFEKYG	:	150				
				160	*	180	*	200
ANH0009	:	KIETIEVMEDRQSGKKRGFAFVTFDDHDTV	DKIVVQKYHTINGHNCEVKK	:	200			
XM_087061	:	KIETIEVMEDRQSGKKRGFAFVTFDDHDTV	DKIVVQKYHTINGHNCEVKK	:	200			
			*	220	*	240	*	
ANH0009	:	ALSKQEMQSAGSQRGRGGGSGNFMGRGGNFGGGGGNFGRCGNFGGRG	GYG	:	250			
XM_087061	:	ALSKQEMQSAGSQRGRGGGSGNFMGRGGNFGGGGGNFGRCGNFGGRG	REW	:	250			
				260	*	280	*	300
ANH0009	:	EGGGGSRG	SYGGG	DGGYNG	EGGDGGNY	CGGPGYSS	RGGY	CGGGPGY
XM_087061	:	WWRWWQOR	-----	-----	-----	-----	-----	-----
								300
								258
			*	320	*	340	*	
ANH0009	:	GGYGGGGY	DGYNE	GGNFG	GGNY	CGGGNY	NDE	CGNY
XM_087061	:	-----	-----	-----	-----	-----	-----	-----
								350
								-
				360	*			
ANH0009	:	BGRSSGSPY	GGG	GGSGGG	GGY	GSRR		378
XM_087061	:	-----	-----	-----	-----	-----	-----	-

FIG. 1

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      *           20           *           40           *           6
ANH0024A : MTAPEKPVKQEEMAALDVDSGGGGGGGGGGHGEYLQQQQQHNGNAVAAAAAQQDTQPSPL : 59
ANH0024B : MTAPEKPVKQEEMAALDVDSGGGGGGGGGGHGEYLQQQQQHNGNAVAAAAAQ----- : 52
ANH0024D : -----LPAAGANAPTPPAPFRLRLPFCARDTQPSPL : 33
ANH0024C : ----- : -
X68560 : ----- : -

      0           *           80           *           100          *           1
ANH0024A : ALLAATCSKIGPPSPGDDEEEAAAAAGAPAAAGATGDLASAOIGGAPNRWEVMSAPETI : 118
ANH0024B : -----TGDFAAOIGGAPNRWEVMSAPETI : 77
ANH0024D : ALLAATCSKIGPPSPGDDEEEAAAAAGAPAAAGATGDLASAOIGGAPNRWEVMSAPETI : 92
ANH0024C : ----- : -
X68560 : ----- : -

      20           *           140          *           160          *
ANH0024A : IKDEAGNIVQIPSAATSSGOAVLPLONFONOCIESVAPGSDSSNGAVSSVOYOVTPOTQ : 177
ANH0024B : IKDEAGNIVQIPSAATSSGOAVLPLONFONOCIESVAPGSDSSNGAVSSVOYOVTPOTQ : 136
ANH0024D : IKDEAGNIVQIPSAATSSGOAVLPLONFONOCIESVAPGSDSSNGAVSSVOYOVTPOTQ : 151
ANH0024C : ----- : -
X68560 : ----- : -

      180          *           200          *           220          *
ANH0024A : SADGOOVQIGFTGSSDNGGGINOESSOITLPGSNOTHLASGTPSANTONLTPOTGOVQV : 236
ANH0024B : SADGOOVQIGFTGSSDNGGGINOESSOITLPGSNOTHLASGTPSANTONLTPOTGOVQV : 195
ANH0024D : SADGOOVQIGFTGSSDNGGGINOESSOITLPGSNOTHLASGTPSANTONLTPOTGOVQV : 210
ANH0024C : ----- : -
X68560 : ----- : -

      240          *           260          *           280          *
ANH0024A : OGVAIGGSSEFGOTQVAVNPVPLGLPGNLTVEPINSVDLSLGLSGSSOMTAGINADGH : 295
ANH0024B : OGVAIGGSSEFGOTQVAVNPVPLGLPGNLTVEPINSVDLSLGLSGSSOMTAGINADGH : 254
ANH0024D : OGVAIGGSSEFGOTQVAVNPVPLGLPGNLTVEPINSVDLSLGLSGSSOMTAGINADGH : 269
ANH0024C : -----MTAGINADGH : 10
X68560 : -----MTAGINADGH : 10

      300          *           320          *           340          *
ANH0024A : LINTGQAMDSSDNSERTGERVSPDINETNTDITDLFVPTSSSSQLPVTIDSTGILQONTN : 354
ANH0024B : LINTGQAMDSSDNSERTGERVSPDINETNTDITDLFVPTSSSSQLPVTIDSTGILQONTN : 313
ANH0024D : LINTGQAMDSSDNSERTGERVSPDINETNTDITDLFVPTSSSSQLPVTIDSTGILQONTN : 328
ANH0024C : LINTGQAMDSSDNSERTGERVSPDINETNTDITDLFVPTSSSSQLPVTIDSTGILQONTN : 69
X68560 : LINTGQAMDSSDNSERTGERVSPDINETNTDITDLFVPTSSSSQLPVTIDSTGILQONTN : 69

      360          *           380          *           400          *
ANH0024A : SLTTSSGOVHSSDLQGNIIQSPVSEETQAQNIQVSTAQPVVQHLQLOESQQPTSQAQIV : 413
ANH0024B : SLTTSSGOVHSSDLQGNIIQSPVSEETQAQNIQVSTAQPVVQHLQLOESQQPTSQAQIV : 372
ANH0024D : SLTTSSGOVHSSDLQGNIIQSPVSEETQAQNIQVSTAQPVVQHLQLOESQQPTSQAQIV : 387
ANH0024C : SLTTSSGOVHSSDLQGNIIQSPVSEETQAQNIQVSTAQPVVQHLQLOESQQPTSQAQIV : 128
X68560 : SLTTSSGOVHSSDLQGNIIQSPVSEETQAQNIQVSTAQPVVQHLQLOESQQPTSQAQIV : 128

      420          *           440          *           460          *
ANH0024A : QGITPQTIHGVQASGQNISQQALQNLQQLNPGTFLIQAQTVTPSGQVWTQTFQVQGVQ : 472
ANH0024B : QGITPQTIHGVQASGQNISQQALQNLQQLNPGTFLIQAQTVTPSGQVWTQTFQVQGVQ : 431
ANH0024D : QGITPQTIHGVQASGQNISQQALQNLQQLNPGTFLIQAQTVTPSGQVWTQTFQVQGVQ : 446
ANH0024C : QGITPQTIHGVQASGQNISQQALQNLQQLNPGTFLIQAQTVTPSGQVWTQTFQVQGVQ : 187
X68560 : QGITPQTIHGVQASGQNISQQALQNLQQLNPGTFLIQAQTVTPSGQVWTQTFQVQGVQ : 187

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FIG. 2A

	480	*	500	*	520	*	
ANH0024A :	NLQNLQIQNTAAQQITLTPVQTLTLGQVAAGGAFTSTPVSLSTGQLPNLQTVTVNSIDS						: 531
ANH0024B :	NLQNLQIQNTAAQQITLTPVQTLTLGQVAAGGAFTSTPVSLSTGQLPNLQTVTVNSIDS						: 490
ANH0024D :	NLQNLQIQNTAAQQITLTPVQTLTLGQVAAGGAFTSTPVSLSTGQLPNLQTVTVNSIDS						: 505
ANH0024C :	NLQNLQIQNTAAQQITLTPVQTLTLGQVAAGGAFTSTPVSLSTGQLPNLQTVTVNSIDS						: 246
X68560 :	NLQNLQIQNTAAQQITLTPVQTLTLGQVAAGGAFTSTPVSLSTGQLPNLQTVTVNSIDS						: 246

	540	*	560	*	580	*	
ANH0024A :	AGIQLHPGENADSPADIRIKEEEPDPPEEWQLSGDSTLNTNDLTHLRVQVVDEEGDQQHQ						: 590
ANH0024B :	AGIQLHPGENADSPADIRIKEEEPDPPEEWQLSGDSTLNTNDLTHLRVQVVDEEGDQQHQ						: 549
ANH0024D :	AGIQLHPGENADSPADIRIKEEEPDPPEEWQLSGDSTLNTNDLTHLRVQVVDEEGDQQHQ						: 564
ANH0024C :	AGIQLHPGENADSPADIRIKEEEPDPPEEWQLSGDSTLNTNDLTHLRVQVVDEEGDQQHQ						: 305
X68560 :	AGIQLHPGENADSPADIRIKEEEPDPPEEWQLSGDSTLNTNDLTHLRVQVVDEEGDQQHQ						: 305

	600	*	620	*	640	
ANH0024A :	EGKRLRRVACTCPNCKEGGGRGTNLGKKKQHICHIPGCGKVYGKTSHLRAHLRWHSGER					: 649
ANH0024B :	EGKRLRRVACTCPNCKEGGGRGTNLGKKKQHICHIPGCGKVYGKTSHLRAHLRWHSGER					: 608
ANH0024D :	EGKRLRRVACTCPNCKEGGGRGTNLGKKKQHICHIPGCGKVYGKTSHLRAHLRWHSGER					: 623
ANH0024C :	EGKRLRRVACTCPNCKEGGGRGTNLGKKKQHICHIPGCGKVYGKTSHLRAHLRWHSGER					: 364
X68560 :	EGKRLRRVACTCPNCKEGGGRGTNLGKKKQHICHIPGCGKVYGKTSHLRAHLRWHSGER					: 364

	*	660	*	680	*	700	
ANH0024A :	PFVCNWMYCGKRFRTRSDQLQRHRRHTTGEKKFVCPECSKRFRMSDHLAKHIKTHQNKKG						: 708
ANH0024B :	PFVCNWMYCGKRFRTRSDQLQRHRRHTTGEKKFVCPECSKRFRMSDHLAKHIKTHQNKKG						: 667
ANH0024D :	PFVCNWMYCGKRFRTRSDQLQRHRRHTTGEKKFVCPECSKRFRMSDHLAKHIKTHQNKKG						: 682
ANH0024C :	PFVCNWMYCGKRFRTRSDQLQRHRRHTTGEKKFVCPECSKRFRMSDHLAKHIKTHQNKKG						: 423
X68560 :	PFVCNWMYCGKRFRTRSDQLQRHRRHTTGEKKFVCPECSKRFRMSDHLAKHIKTHQNKKG						: 423

	*	720	*	740	*	760	
ANH0024A :	IHSSSTVLASVEAARDDTLITAGGTTLILAKIQQGSVSGIGTVNTSATSNOQDILTNTET						: 767
ANH0024B :	IHSSSTVLASVEAARDDTLITAGGTTLILAKIQQGSVSGIGTVNTSATSNOQDILTNTET						: 726
ANH0024D :	IHSSSTVLASVEAARDDTLITAGGTTLILAKIQQGSVSGIGTVNTSATSNOQDILTNTET						: 741
ANH0024C :	IHSSSTVLASVEAARDDTLITAGGTTLILAKIQQGSVSGIGTVNTSATSNOQDILTNTET						: 482
X68560 :	IHSSSTVLASVEAARDDTLITAGGTTLILAKIQQGSVSGIGTVNTSATSNOQDILTNTET						: 482

	*	780	
ANH0024A :	PLQLVTVSGNETME	: 781	
ANH0024B :	PLQLVTVSGNETME	: 740	
ANH0024D :	PLQLVTVSGNETME	: 755	
ANH0024C :	PLQLVTVSGNETME	: 496	
X68560 :	PLQLVTVSGNETME	: 496	

FIG. 2B

		*	20	*	40	*	60	
ANH0039	:	MDLRQFLMCLSLCTAFALSKPTEKKDRVHHEPQLSDKVHND	AQSF	DYD	HDA	ELG	AEEAKT	: 60
XM_045848	:	MDLRQFLMCLSLCTAFALSKPTEKKDRVHHEPQLSDKVHND	AQSF	DYD	HDA	ELG	AEEAKT	: 60

		*	80	*	100	*	120	
ANH0039	:	FDQLTPEESKERLCMIVDKIDDKDGFVTEGELKSWIKHAQKKYIYDNVENQWQEDMNC						: 120
XM_045848	:	FDQLTPEESKERLCMIVDKIDDKDGFVTEGELKSWIKHAQKKYIYDNVENQWQEDMNC						: 120

		*	140	*	160	*	180	
ANH0039	:	DGLISWDEYRNVTYGYLDDPDPDDGFNYKOMMVRDERREFKMA	DKDGLIATKEEFTAFI					: 180
XM_045848	:	DGLISWDEYRNVTYGYLDDPDPDDGFNYKOMMVRDERREFKMA	DKDGLIATKEEFTAFI					: 180

		*	200	*	220	*	240	
ANH0039	:	HPPEYDYMKDIVVQETMEDIDKNADGFIDLEEYIGDMYSHDGNTDEPEWVKTEREQFVEF						: 240
XM_045848	:	HPPEYDYMKDIVVQETMEDIDKNADGFIDLEEYIGDMYSHDGNTDEPEWVKTEREQFVEF						: 240

		*	260	*	280	*	300	
ANH0039	:	RDKNRDGKMDKEETKDWILPSDYDHAEAEARHLVYESDQNKDGKLTKEEIVDKYDLFVGS						: 300
XM_045848	:	RDKNRDGKMDKEETKDWILPSDYDHAEAEARHLVYESDQNKDGKLTKEEIVDKYDLFVGS						: 300

		*						
ANH0039	:	QATDFGEALVRHDEF						: 315
XM_045848	:	QATDFGEALVRHDEF						: 315

FIG. 3

		*	20	*	40	*	60	
XM_055371	:	MRAPSMDDRAAVAKVCAVASASVCAVAGVVFAQLEETEKRRKTCGRKTKI-TEMMPEEFQKSS						: 59
ANH0068	:	-----MINDESAVHVKMMPEFQKSS						: 20
		*	80	*	100	*	120	
XM_055371	:	VRIKNPTRVEEIIICGLIKGGAAKLQIITDEDMTLSRFSYKGRKRCPTCHNIIDNCKLVTDE						: 119
ANH0068	:	VRIKNPTRVEEIIICGLIKGGAAKLQIITDEDMTLSRFSYKGRKRCPTCHNIIDNCKLVTDE						: 80
		*	140	*	160	*	180	
XM_055371	:	CRKKLLQLKEKYAIEVDPVLTVEEKYPYMVEWYTKSHGLLVQQALPKAKLKEIVAESDV						: 179
ANH0068	:	CRKKLLQLKEKYAIEVDPVLTVEEKYPYMVEWYTKSHGLLVQQALPKAKLKEIVAESDV						: 140
		*	200	*	220	*	240	
XM_055371	:	MLKEGYENFFDKLQOHSIPVFIFSAGIGDVLEEVIROAGVYHPNVKVVSNFMDFEDETGVI						: 239
ANH0068	:	MLKEGYENFFDKLQOHSIPVFIFSAGIGDVLEEVIROAGVYHPNVKVVSNFMDFEDETGVI						: 200
		*	260	*	280	*	300	
XM_055371	:	KGFKGELIHVFNKHGALRNTEYFNQLKDNSNIILLGDSQGDLRMADGVANVEHILKIGY						: 299
ANH0068	:	KGFKGELIHVFNKHGALRNTEYFNQLKDNSNIILLGDSQGDLRMADGVANVEHILKIGY						: 260
		*	320	*				
XM_055371	:	LNDRVDELLEKYMDSYDIVLVQDESLEVANSILOKII-						: 336
ANH0068	:	LNDRVDELLEKYMDSYDIVLVQDESLEVANSILOKII-						: 297

FIG. 4

		*	20	*	40	*	60	
ANH0114	:	MALGLEQAEEOQLYQOTLLQDGLKDMLDHGKFLDCVVRAGEREFPCHRVLVLAACSPYFRA						: 60
XM_076374	:	MALGLEQAEEOQLYQOTLLQDGLKDMLDHGKFLDCVVRAGEREFPCHRVLVLAACSPYFRA						: 60
		*	80	*	100	*	120	
ANH0114	:	RFLAEPEERAGELHLEEVSPDVVAQVLHYLYTSEIALDEASVQDLFAAAHRFOIPSIETIC						: 120
XM_076374	:	RFLAEPEERAGELHLEEVSPDVVAQVLHYLYTSEIALDEASVQDLFAAAHRFOIPSIETIC						: 120
		*	140	*	160	*	180	
ANH0114	:	VSFLQKRLCLSNCLAVERLGLLLDCARLAVAARDFICAHFTLVARDADFLGLSADELIAT						: 180
XM_076374	:	VSFLQKRLCLSNCLAVERLGLLLDCARLAVAARDFICAHFTLVARDADFLGLSADELIAT						: 180
		*	200	*	220	*	240	
ANH0114	:	ISSDGLNVEKEEAVFEAVMRWAGSGDAEAQAERQALPTVFESVRCRLLPRAFLESRVER						: 240
XM_076374	:	ISSDGLNVEKEEAVFEAVMRWAGSGDAEAQAERQALPTVFESVRCRLLPRAFLESRVER						: 240
		*	260	*	280	*	300	
ANH0114	:	HPLVRAQPELLRKVQMVKDAHEGRITTLRKKKKKGKDGAGAKEADKGTSKAKAEDEEAEFR						: 300
XM_076374	:	HPLVRAQPELLRKVQMVKDAHEGRITTLRKKKKKGKDGAGAKEADKGTSKAKAEDEEAEFR						: 300
		*	320	*	340	*	360	
ANH0114	:	ILPGILNDTLRFGMFLQDLIFMISEEGAVAYDPAANECYCASLS						: 360
XM_076374	:	ILPGILNDTLRFGMFLQDLIFMISEEGAVAYDPAANECYCASLS						: 360
		*	380	*	400	*	420	
ANH0114	:	VFFVAGGLFYNNEDNKEDPMSAYFLQFDHLDSEWLGMPPLPSPRCLFGLGEALNSIYVVGGR						: 420
XM_076374	:	VFFVAGGLFYNNEDNKEDPMSAYFLQFDHLDSEWLGMPPLPSPRCLFGLGEALNSIYVVGGR						: 420
		*	440	*	460	*	480	
ANH0114	:	EIKDGERCLDSVMCYDRLSFKWGESDLPYVYVYCHTVLSHMLVYVIGCKGSORKEENKM						: 480
XM_076374	:	EIKDGERCLDSVMCYDRLSFKWGHRRRAHQFERSVQHHRQOVGTHRGCLPTCA-----						: 472
		*	500	*	520	*	540	
ANH0114	:	GVYDPKKEFWKEAPMOTARSLEGATVHDGRGLVAAGVDTGTTSSALVYS--DNKWAP						: 540
XM_076374	:	-----						: -
		*	560	*	580	*	600	
ANH0114	:	PAEPQERSSTPSIYSVWCTRAIGGATLTDPSGAVPPLINDIWSANDEKKWEGVRRPI						: 600
XM_076374	:	-----						: -
		*	620					
ANH0114	:	VYAGAPPPVNNWRRTRK						: 621
XM_076374	:	-----						: -

FIG. 5

			*	20	*	40	*	60	
ANH0144A :	MAEGRRREDEEEELRRRELGGCORRARGRALSGHSAADRNERNKPEHRSSSQGLSSIRP	:							60
ANH0144B :	MAECRRREDEEEELRRRELGGCORRARGRALSGHSAADRNERNKPEHRSSSQGLSSIRP	:							60
ANH0144C :	MAEGRRREDEEEELRRRELGGCORRARGRALSGHSAADRNERNKPEHRSSSQGLSSIRP	:							60
AL133047 :	-----	:							-
			*	80	*	100	*	120	
ANH0144A :	VIKSSRTSIQSELHRDRRRPEITIVAAEPLREASWEPGTERPGLGFETSSAAGSWRPNE	:							120
ANH0144B :	VIKSSRTSIQSELHRDRRRPEITIVAAEPLREASWEPGTERPGLGFETSSAAGSWRPNE	:							120
ANH0144C :	VIKSSRTSIQSELHRDRRRPEITIVAAEPLREASWEPGTERPGLGFETSSAAGSWRPNE	:							120
AL133047 :	-----	:							-
			*	140	*	160	*	180	
ANH0144A :	LVPALPPSYEQVKEINQVQVNTTNNNNAATPRHTITSATQTDSEEDNDLPC---	:							177
ANH0144B :	LVPALPPSYEQVKEINQVQVNTTNNNNAATPRHTITSATQTDSEEDNDLPC---	:							177
ANH0144C :	LVPALPPSYEQVKEINQVQVNTTNNNNAATPRHTITSATQTDSEEDNDLPCSNAT	:							180
AL133047 :	-----	:							-
			*	200	*	220	*	240	
ANH0144A :	LOAPLKPLQESAVSSGNLETNVAPLIVEDISEEPNCPENPSATRCVPPRRSKSNLRPI	:							237
ANH0144B :	LOAPLKPLQESAVSSGNLETNVAPLIVEDISEEPNCPENPSATRCVPPRRSKSNLRPI	:							237
ANH0144C :	LOAPLKPLQESAVSSGNLETNVAPLIVEDISEEPNCPENPSATRCVPPRRSKSNLRPI	:							240
AL133047 :	-----	:							-
			*	260	*	280	*	300	
ANH0144A :	PRDSHIKEQSQCKLSPAAVGESSSGRPOSLLDNASTSDSQAVMNTMTEQSQNSIVSRI	:							297
ANH0144B :	PROSHIRBQSQCKLSPAAVGESSSGRPOSLLDNASTSDSQAVMNTMTEQSQNSIVSRI	:							297
ANH0144C :	PRDSHIKEQSQCKLSPAAVGESSSGRPOSLLDNASTSDSQAVMNTMTEQSQNSIVSRI	:							300
AL133047 :	-----	:							-
			*	320	*	340	*	360	
ANH0144A :	KVFEQGTNIETSGLPKPKETITERSLPPKPTVSSGKPSVAPKPAANRASGEWDSGTENLRK	:							357
ANH0144B :	KVFEQGTNIETSGLPKPKETITERSLPPKPTVSSGKPSVAPKPAANRASGEWDSGTENLRK	:							357
ANH0144C :	KVFEQGTNIETSGLPKPKETITERSLPPKPTVSSGKPSVAPKPAANRASGEWDSGTENLRK	:							360
AL133047 :	-----	:							-
			*	380	*	400	*	420	
ANH0144A :	VTSKEGLTPYPPLQEAGSIPVTKPELPKPNEGLLRSVNREIPGRGPLAESSDSGKKVET	:							417
ANH0144B :	VTSKEGLTPYPPLQEAGSIPVTKPELPKPNEGLLRSVNREIPGRGPLAESSDSGKKVET	:							417
ANH0144C :	VTSKEGLTPYPPLQEAGSIPVTKPELPKPNEGLLRSVNREIPGRGPLAESSDSGKKVET	:							420
AL133047 :	-----	:							-
			*	440	*	460	*	480	
ANH0144A :	PAPRPLLLKKSVSSENPTYPAPLKEFTVPPRLAGASQAKAYKSLGEGPPANPPVPVLQS	:							477
ANH0144B :	PAPRPLLLKKSVSSENPTYPAPLKEFTVPPRLAGASQAKAYKSLGEGPPANPPVPVLQS	:							477
ANH0144C :	PAPRPLLLKKSVSSENPTYPAPLKEFTVPPRLAGASQAKAYKSLGEGPPANPPVPVLQS	:							480
AL133047 :	-----	:							-
			*	500	*	520	*	540	
ANH0144A :	KPLVDIDLISFDDDDVLETPSGNLAEEVSGSEMVLDPFOLPAKTEPIKERAVQPAPTRKET	:							537
ANH0144B :	KPLVDIDLISFDDDDVLETPSGNLAEEVSGSEMVLDPFOLPAKTEPIKERAVQPAPTRKET	:							537
ANH0144C :	KPLVDIDLISFDDDDVLETPSGNLAEEVSGSEMVLDPFOLPAKTEPIKERAVQPAPTRKET	:							540
AL133047 :	-----	:							-
			*	560	*	580	*	600	
ANH0144A :	VIRIPAKPGKCLHEDEQSPFPLPAEKPIGNTFTVSGKLSNVERTRNLESNHPGQTGGFV	:							597
ANH0144B :	VIRIPAKPGKCLHEDEQSPFPLPAEKPIGNTFTVSGKLSNVERTRNLESNHPGQTGGFV	:							597
ANH0144C :	VIRIPAKPGKCLHEDEQSPFPLPAEKPIGNTFTVSGKLSNVERTRNLESNHPGQTGGFV	:							600
AL133047 :	-----	:							-

FIG. 6A

		*	620	*	640	*	660	
ANH0144A :	RVPRLPREREVNG							610
ANH0144B :	RVPRLPREREVNGHLIMTTILFMSCSARARMGFTGIVHILRFKLLLESWCWSEAGGSVIE							657
ANH0144C :	RVPRLPREREVNG							613
AL133047 :								-
		*	680	*	700	*	720	
ANH0144A :								-
ANH0144B :	LAEAFARLQIMSSFSSKHGWSFIDWSVRLPVIGWPSQNPLFWMRNGLFCLDMTELYHLET							717
ANH0144C :								-
AL133047 :								-
		*	740	*	760	*	780	
ANH0144A :	KTLPTQQPPTKVPPERPEPPKLSATRRSNKKLFFNRSSSDMDLQKQSNLATGLSKARS							669
ANH0144B :	KTLPTQQPPTKVPPERPEPPKLSATRRSNKKLFFNRSSSDMDLQKQSNLATGLSKARS							777
ANH0144C :	KTLPTQQPPTKVPPERPEPPKLSATRRSNKKLFFNRSSSDMDLQKQSNLATGLSKARS							672
AL133047 :								-
		*	800	*	820	*	840	
ANH0144A :	QVFKNQDVLPPPPKPGHLYSKYMLSVPHGTANEDIVSQNPGEISCKRGDVLVMLKQTE							729
ANH0144B :	QVFKNQDVLPPPPKPGHLYSKYMLSVPHGTANEDIVSQNPGEISCKRGDVLVMLKQTE							814
ANH0144C :	QVFKNQDVLPPPPKPGHLYSKYMLSVPHGTANEDIVSQNPGEISCKRGDVLVMLKQTE							732
AL133047 :	QVFKNQDVLPPPPKPGHLYSKYMLSVPHGTANEDIVSQNPGEISCKRGDVLVMLKQTE							36
		*	860	*	880	*	900	
ANH0144A :	NNYLECQKGEDTGRVHLSQMKIITPLDEHLRSRPNDPSHAQKPVDSGAPHAVVLHDFPAE							789
ANH0144B :	NNYLECQKGEDTGRVHLSQMKIITPLDEHLRSRPNDPSHAQKPVDSGAPHAVVLHDFPAE							874
ANH0144C :	NNYLECQKGEDTGRVHLSQMKIITPLDEHLRSRPNDPSHAQKPVDSGAPHAVVLHDFPAE							792
AL133047 :	NNYLECQKGEDTGRVHLSQMKIITPLDEHLRSRPNDPSHAQKPVDSGAPHAVVLHDFPAE							96
		*	920	*	940	*	960	
ANH0144A :	QVDDLNLTSGEIVYLLEKIDTDWYRGNCRNQIGIFPANYVKVIIDIPEGNGKRECVSSH							849
ANH0144B :	QVDDLNLTSGEIVYLLEKIDTDWYRGNCRNQIGIFPANYVKVIIDIPEGNGKRECVSSH							934
ANH0144C :	QVDDLNLTSGEIVYLLEKIDTDWYRGNCRNQIGIFPANYVKVIIDIPEGNGKRECVSSH							852
AL133047 :	QVDDLNLTSGEIVYLLEKIDTDWYRGNCRNQIGIFPANYVKVIIDIPEGNGKRECVSSH							156
		*	980	*	1000	*	1020	
ANH0144A :	CVKGSRCVARFEYIGEOKDELFSFSEGEIILKEYVNEEWARGEVRGRTGIFPLNFVEPVE							909
ANH0144B :	CVKGSRCVARFEYIGEOKDELFSFSEGEIILKEYVNEEWARGEVRGRTGIFPLNFVEPVE							994
ANH0144C :	CVKGSRCVARFEYIGEOKDELFSFSEGEIILKEYVNEEWARGEVRGRTGIFPLNFVEPVE							912
AL133047 :	CVKGSRCVARFEYIGEOKDELFSFSEGEIILKEYVNEEWARGEVRGRTGIFPLNFVEPVE							216
		*	1040	*	1060	*	1080	
ANH0144A :	DYPTSGANVLSTKVPPLTKKEDSGSNSQVNSLPAEWCEALHSFTAETSDDLSEFRGDRIC							969
ANH0144B :	DYPTSGCKCFKHGTENQRRFWLKLSG							1023
ANH0144C :	DYPTSGANVLSTKVPPLTKKEDSGSNSQVNSLPAEWCEALHSFTAETSDDLSEFRGDRIC							972
AL133047 :	DYPTSGANVLSTKVPPLTKKEDSGSNSQVNSLPAEWCEALHSFTAETSDDLSEFRGDRIC							276
		*	1100	*	1120	*	1140	
ANH0144A :	ILERLDSWDCRGLQDREGIFPAVEVRPCPAEAKSMLAIVPKGRKAKALYDFRGENEDEL							1029
ANH0144B :	ILERLDSWDCRGLQDREGIFPAVEVRPCPAEAKSMLAIVPKGRKAKALYDFRGENEDEL							-
ANH0144C :	ILERLDSWDCRGLQDREGIFPAVEVRPCPAEAKSMLAIVPKGRKAKALYDFRGENEDEL							1032
AL133047 :	ILERLDSWDCRGLQDREGIFPAVEVRPCPAEAKSMLAIVPKGRKAKALYDFRGENEDEL							336
		*	1160	*	1180			
ANH0144A :	SEKAGDILTELESVDDDWMSGELMGKSGIFPKNYIQFLQIS							1070
ANH0144B :	SEKAGDILTELESVDDDWMSGELMGKSGIFPKNYIQFLQIS							-
ANH0144C :	SEKAGDILTELESVDDDWMSGELMGKSGIFPKNYIQFLQIS							1073
AL133047 :	SEKAGDILTELESVDDDWMSGELMGKSGIFPKNYIQFLQIS							377

FIG. 6B

		*	20	*	40	*	60	
ANH0241	:	MDISTRKDPGSAERTAQKRKFSPPHSSNGHSPQDTSTSPIKKKKKPGLLNSNNKEQSE						: 60
XM_086643	:	MDISTRKDPGSAERTAQKRKFSPPHSSNGHSPQDTSTSPIKKKKKPGLLNSNNKEQSE						: 60
		*	80	*	100	*	120	
ANH0241	:	LRHGPFYFMKQPLTTDPVDVVPQDGRNDFYCWVCHREGQVLCCELCPRVYHAKCLRLTSE						: 120
XM_086643	:	LRHGPFYFMKQPLTTDPVDVVPQDGRNDFYCWVCHREGQVLCCELCPRVYHAKCLRLTSE						: 120
		*	140	*	160	*	180	
ANH0241	:	PEGDWFCPECEKITVAECIETQSKAMTMLTIEQLSYLLKFQKMKQPGTDAFQKPVPLE						: 180
XM_086643	:	PEGDWFCPECEKITVAECIETQSKAMTMLTIEQLSYLLKFQKMKQPGTDAFQKPVPLE						: 180
		*	200	*	220	*	240	
ANH0241	:	QHPDYAEYIFHPMDLCTLEKNAKKKMYGCTEAFADAKWILHNCIIYNGGNHKLTOIAKV						: 240
XM_086643	:	QHPDYAEYIFHPMDLCTLEKNAKKKMYGCTEAFADAKWILHNCIIYNGGNHKLTOIAKV						: 240
		*	260	*	280	*	300	
ANH0241	:	VIKICEHEMNEIEVCPECYLAACQKRDNWFCEPCSNPHPLVWAKLKGFPFPAKALRDKD						: 300
XM_086643	:	VIKICEHEMNEIEVCPECYLAACQKRDNWFCEPCSNPHPLVWAKLKGFPFPAKALRDKD						: 300
		*	320	*	340	*	360	
ANH0241	:	GOVDARFFGQHDRAWVPINNLYMSKEIPFSVKKTKSIENSAMQEMEYVENIRRKFGVF						: 360
XM_086643	:	GOVDARFFGQHDRAWVPINNLYMSKEIPFSVKKTKSIENSAMQEMEYVENIRRKFGVF						: 360
		*	380	*	400	*	420	
ANH0241	:	NYSPPFTPYTPNSQYQMLLDPTNPSAGTAKIDKQEKVKLNFDMTASPKILMSKPVLSSGT						: 420
XM_086643	:	NYSPPFTPYTPNSQYQMLLDPTNPSAGTAKIDKQEKVKLNFDMTASPKILMSKPVLSSGT						: 420
		*	440	*	460	*	480	
ANH0241	:	GRRISLSDMPRSPMSTNSSVHTGSDVEQDAEKKATSSHFSASEESMDFLDKSTASPASTK						: 480
XM_086643	:	GRRISLSDMPRSPMSTNSSVHTGSDVEQDAEKKATSSHFSASEESMDFLDKSTASPASTK						: 480
		*	500	*	520	*	540	
ANH0241	:	TGQAGSLSGSPKPFSPQLSAPITTKTDKTSTTGSILNLDNRKAEMDLKELSESVOQQS						: 540
XM_086643	:	TGQAGSLSGSPKPFSPQLSAPITTKTDKTSTTGSILNLDNRKAEMDLKELSESVOQQS						: 540
		*	560	*	580	*	600	
ANH0241	:	TPVPLISPKRQIRSRFQLNLDKTIESCKAQLGINEISEDVYTAVEHSDSEDSEKSDSSDS						: 600
XM_086643	:	TPVPLISPKRQIRSRFQLNLDKTIESCKAQLGINEISEDVYTAVEHSDSEDSEKSDSSDS						: 600
		*	620	*	640	*	660	
ANH0241	:	EYISDDEQSKNEPEDTEDKEGQMDKEPSAVKKKPKPTNPVEIKEELKSTSPASEKADF						: 660
XM_086643	:	EYISDDEQSKNEPEDTEDKEGQMDKEPSAVKKKPKPTNPVEIKEELKSTSPASEKADF						: 660

FIG. 7A

		*	680	*	700	*	720	
ANH0241	:	GAVKDKASPEPEKDFSEKAKPSPHPIKDKLKGKDETDSPTVHLGLDSDSESELVIDLGED						: 720
XM_086643	:	GAVKDKASPEPEKDFSEKAKPSPHPIKDKLKGKDETDSPTVHLGLDSDSESELVIDLGED						: 720
		*	740	*	760	*	780	
ANH0241	:	HSGREGRKNKKEPKEPSPKQDVVGKTPPSTTVGSHSPPETPVLTRSSAQTSAAGATATTS						: 780
XM_086643	:	HSGREGRKNKKEPKEPSPKQDVVGKTPPSTTVGSHSPPETPVLTRSSAQTSAAGATATTS						: 780
		*	800	*	820	*	840	
ANH0241	:	TSSTVTVTAPAPAATGSPVKKORPLLPKETAPAVQRVVWNSSSKFQTSSQKWHMQKMQRQ						: 840
XM_086643	:	TSSTVTVTAPAPAATGSPVKKORPLLPKETAPAVQRVVWNSSSKFQTSSQKWHMQKMQRQ						: 840
		*	860	*	880	*	900	
ANH0241	:	QQQQQQQNQQQQPOSSQGRYQTRQAVKAVQOKEITQSPSTSTITLVTSTOSSPLVTSSG						: 900
XM_086643	:	QQQQQQQNQQQQPOSSQGRYQTRQAVKAVQOKEITQSPSTSTITLVTSTOSSPLVTSSG						: 900
		*	920	*	940	*	960	
ANH0241	:	SMSTLVSSVNADLPIATASADVAADIKYTSKMMDAIKETITETYNDSKNITGSGTALIT						: 960
XM_086643	:	SMSTLVSSVNADLPIATASADVAADIKYTSKVNCGNKRNNRNRNQRSE-----						: 949
		*	980	*	1000	*	1020	
ANH0241	:	RRRRRETEKLEWLHQOELSEMKNHDEETMAEMROSLEQERDRITAEVVKOLELEKQOAVD						: 1020
XM_086643	:	-----						: -
		*	1040	*	1060	*	1080	
ANH0241	:	ELKKKQWCANCKKEATEYCCWNTSYCDYPCOOAHWPEHMKSCIOSATAPOOEADAEVNT						: 1080
XM_086643	:	-----						: -
		*	1100	*	1120	*	1140	
ANH0241	:	LNKSSQGGSSSIOSAPSETASASKEKETSAAKSKESGSMFDLSGSRITPSSITIGSNOG						: 1140
XM_086643	:	-----						: -
		*	1160	*	1180	*	1200	
ANH0241	:	SVSKRCGRQPAVAPTETTDHOPHPNYPAGKTHSHSNKGSWSSSEACGSTRGDHNTSTSE						: 1200
XM_086643	:	-----						: -
		*						
ANH0241	:	SAMPKESREDDEWD						: 1214
XM_086643	:	-----						: -

FIG. 7B

		*	20	*	40	*	60	
ANH0245	:	-----MFWKSIHSHVIGYEHDEKWFYEETESSDDVEVLTLLKKEK					:	39
AK027731	:	MDSGCWDEGGEFEDSVFEERDERSGPPASVYCAKLGEPWFYEETESSDDVEVLTLLKKEK					:	60
		*	80	*	100	*	120	
ANH0245	:	GDLAYRRQEQYQKALQEYSSISEKLSSTNFAMKRDVQEGQARCLAHLGRHMEALEIAANLE					:	99
AK027731	:	GDLAYRRQEQYQKALQEYSSISEKLSSTNFAMKRDVQEGQARCLAHLGRHMEALEIAANLE					:	120
		*	140	*	160	*	180	
ANH0245	:	NKATNTDHLTTVLVYLQLAICSSLQNLKTIFFCLOKLISLHPFNPNWGWKLAAYLNLGPA					:	159
AK027731	:	NKATNTDHLTTVLVYLQLAICSSLQNLKTIFFCLOKLISLHPFNPNWGWKLAAYLNLGPA					:	180
		*	200	*	220	*	240	
ANH0245	:	LSAALASSQKQHSFTSSDKTIKSFFPHSGKDCLLCFPETLPESLFSVEANSSNSQKNEK					:	219
AK027731	:	LSAALASSQKQHSFTSSDKTIKSFFPHSGKDCLLCFPETLPESLFSVEANSSNSQKNEK					:	240
		*	260	*	280	*	300	
ANH0245	:	ALTNIONCMAEKRETVLIETQLKACASFIRTRLLQFTQPQOTSFALERNLRTQQEIEDK					:	279
AK027731	:	ALTNIONCMAEKRETVLIETQLKACASFIRTRLLQFTQPQOTSFALERNLRTQQEIEDK					:	300
		*	320	*	340	*	360	
ANH0245	:	MKGESFKEDTLLLIAEVMGEDIPEKIKDEVHPEVKCVGSVALTALVTVSSEEFEDKWERK					:	339
AK027731	:	MKGESFKEDTLLLIAEVMGEDIPEKIKDEVHPEVKCVGSVALTALVTVSSEEFEDKWERK					:	360
		*	380					
ANH0245	:	IKDHFCPPFENQFHTEIQILA					:	359
AK027731	:	IKDHFCPPFENQFHTEIQILA					:	380

FIG. 8

			*	20	*	40	*	60	
ANH0296	:	MKSRES	MDLRAV	LAELNAST	LEGMRV	NNVAYD	VDNKTY	HLRLQK	PDEKATLLLES
NM_004713	:	-----	-----	-----	-----	-----	-----	-----	-----
AK000913	:	MESRES	MDLRAV	LAELNAST	LEGMRV	NNVAYD	VDNKTY	HLRLQK	PDEKATLLLES
			*	80	*	100	*	120	
ANH0296	:	TEFEWPK	NNMPS	SSFAMK	CRKHLK	SRLVSA	KQELGV	DRIVDE	QFGSDSAAYHL
NM_004713	:	-----	-----	-----	-----	-----	-----	-----	-----
AK000913	:	TEFEWPK	NNMPS	SSFAMK	CRKHLK	SRLVSA	KQELGV	DRIVDE	QFGSDSAAYHL
			*	140	*	160	*	180	
ANH0296	:	NIIVITD	YEVVIL	NILRRRT	DEADDV	KFAVRE	RYPLDH	ARAAEP	LLTLERL
NM_004713	:	-----	-----	-----	-----	-----	-----	-----	-----
AK000913	:	NIIVITD	YEVVIL	NILRRRT	DEADDV	KFAVRE	RYPLDH	ARAAEP	LLTLERL
			*	200	*	220	*	240	
ANH0296	:	ELLKRV	LNPILL	EPYGPAL	TEHCHL	ENGESG	NVKVDE	KLETKD	IEKVLVS
NM_004713	:	-----	-----	-----	-----	-----	-----	-----	-----
AK000913	:	ELLKRV	LNPILL	EPYGPAL	TEHCHL	ENGESG	NVKVDE	KLETKD	IEKVLVS
			*	260	*	280	*	300	
ANH0296	:	NFSGKG	YLLQK	REIKPC	LEADKP	VEDILT	YEEH	EEHPLF	SQHSQC
NM_004713	:	-----	-----	-----	-----	-----	-----	-----	-----
AK000913	:	NFSGKG	YLLQK	REIKPC	LEADKP	VEDILT	YEEH	EEHPLF	SQHSQC
			*	320	*	340	*	360	
ANH0296	:	SKTEGQ	KIDKAT	QOEKQAL	KKIDNV	AKDHN	RIEAL	QQAQ	SEIDKL
NM_004713	:	-----	-----	-----	-----	-----	-----	-----	-----
AK000913	:	SKTEGQ	KIDKAT	QOEKQAL	KKIDNV	AKDHN	RIEAL	QQAQ	SEIDKL
			*	380	*	400	*	420	
ANH0296	:	AIQVVR	SALANQ	TDWTEI	GLIVKE	AQAQ	GDEV	ASAIKE	LKLQTN
NM_004713	:	-----	-----	-----	-----	-----	-----	-----	-----
AK000913	:	AIQVVR	SALANQ	TDWTEI	GLIVKE	AQAQ	GDEV	ASAIKE	LKLQTN
			*	440	*	460	*	480	
ANH0296	:	DDDVDG	DVNVEK	NETEP	PKGKKK	QKNKQ	LQKP	QKNKPL	LVVDLS
NM_004713	:	-----	-----	-----	-----	-----	-----	-----	-----
AK000913	:	DDDVDG	DVNVEK	NETEP	PKGKKK	QKNKQ	LQKP	QKNKPL	LVVDLS
			*	500	*	520	*	540	
ANH0296	:	RYAAKK	TQKTVE	AAEKAF	KSAAEK	KTQTLK	EVQTV	TSIQK	ARKVY
NM_004713	:	-----	-----	-----	-----	-----	-----	-----	-----
AK000913	:	RYAAKK	TQKTVE	AAEKAF	KSAAEK	KTQTLK	EVQTV	TSIQK	ARKVY
			*	560	*	580	*	600	
ANH0296	:	IIGGRD	QQQNEI	IVKRYL	TPGDIY	VHADLH	GATSCV	IKNPTG	EPIPPR
NM_004713	:	-----	-----	-----	-----	-----	-----	-----	-----
AK000913	:	-----	-----	-----	-----	-----	-----	-----	-----

FIG. 9A

			*	620	*	640	*	660	
ANH0296	:	SAAWDARVITSAWVYHHQVSKTAPTGEYLTGTFMIRGKKNFLPPSYLMMGFSLFKVD	:						660
NM_004713	:	-----	:						-
AK000913	:	-----	:						-

			*	680	*	700	*	720	
ANH0296	:	ESCVRHQGERKVRVQDEDMETLASCTSELISEEMEQLDGGDTSSDEDKEEHETPVEVEL	:						720
NM_004713	:	-----	:						-
AK000913	:	-----	:						-

			*	740	*	760	*	780	
ANH0296	:	MTQVDQEDITLQSGRDELNEELIQEESSEDEGEYEEVRKDQDSVGEMKDEGEETLNYPDT	:						780
NM_004713	:	MTQVDQEDITLQSGRDELNEELIQEESSEDEGEYEEVRKDQDSVGEMKDEGEETLNYPDT	:						60
AK000913	:	-----	:						-

			*	800	*	820	*	840	
ANH0296	:	TEDLSHLQQRSTQKSLASKEESSNSSDSKSSQSRRLSAKEEREMKKKKLPSDSGLLEALE	:						840
NM_004713	:	TEDLSHLQQRSTQKSLASKEESSNSSDSKSSQSRRLSAKEEREMKKKKLPSDSGLLEALE	:						120
AK000913	:	-----	:						-

			*	860	*	880	*	900	
ANH0296	:	GKDKKEESTVHIETHONTSKNVAAVQPMKRGCKSKMKKKEKYKDQDEEDRELIMKILGS	:						900
NM_004713	:	GKDKKEESTVHIETHONTSKNVAAVQPMKRGCKSKMKKKEKYKDQDEEDRELIMKILGS	:						180
AK000913	:	-----	:						-

			*	920	*	940	*	960	
ANH0296	:	AGSNKEERGKKGKKGKTKDEEPVKQPOKPPGGQGVSDNFKKETPFLEVLITHEIQDEFAVDL	:						960
NM_004713	:	AGSNKEERGKKGKKGKTKDEEPVKQPOKPPGGQGVSDNFKKETPFLEVLITHEIQDEFAVDL	:						240
AK000913	:	-----	:						-

			*	980	*	1000	*	1020	
ANH0296	:	BHDDKEEQDLDDQCGNEENLEDSLTGQPHPEDVLLFAIPICAPYTTMTNYYKVKLTPEGVC	:						1020
NM_004713	:	BHDDKEEQDLDDQCGNEENLEDSLTGQPHPEDVLLFAIPICAPYTTMTNYYKVKLTPEGVC	:						300
AK000913	:	-----	:						-

			*	1040	*	1060	*	1080	
ANH0296	:	KKGKAAKTALNSFMHSKEATAREKDLFRSVKDTDLSRNIEGKVSVCTQSSERKKEIAEM	:						1080
NM_004713	:	KKGKAAKTALNSFMHSKEATAREKDLFRSVKDTDLSRNIEGKVSVCTQSSERKKEIAEM	:						360
AK000913	:	-----	:						-

ANH0296	:	KE	:	1082
NM_004713	:	KE	:	362
AK000913	:	--	:	-

FIG. 9B

ANH0423 : MESGRGSSTPPGPAAALGMPDTGPGSSSLGKLOALPVGPRAHCGDPVSLAAAGDGSPDIG : 60
 XM_053487 : MESGRGSSTPPGPAAALGMPDTGPGSSSLGKLOALPVGPRAHCGDPVSLAAAGDGSPDIG : 60

ANH0423 : PTGELSGSLKIPNRDSGIDSPSSSVAGENFPCEEGLAAGPSPTVLGAHAEMALDSQVPKV : 120
 XM_053487 : PTGELSGSLKIPNRDSGIDSPSSSVAGENFPCEEGLAAGPSPTVLGAHAEMALDSQVPKV : 120

ANH0423 : TPQEEADSDVGEEPDSENTPOKADKDALAQHSGPQKLLHIAQELLHTEETYVKRLHLLD : 180
 XM_053487 : TPQEEADSDVGEEPDSENTPOKADKDALAQHSGPQKLLHIAQELLHTEETYVKRLHLLD : 180

ANH0423 : QVFCTRLTDAGIPPEVIMGIFSNISSIHREHGQFLLPELKTRITEEWDTNPRIGDILQKI : 240
 XM_053487 : QVFCTRLTDAGIPPEVIMGIFSNISSIHREHGQFLLPELKTRITEEWDTNPRIGDILQKI : 240

ANH0423 : APFLKMYGEYVKNFDRAGVLVSTWTQRSPLFKDVVHSIQKQEVCGNLTLOHHMLEPVQRV : 300
 XM_053487 : APFLKMYGEYVKNFDRAGVLVSTWTQRSPLFKDVVHSIQKQEVCGNLTLOHHMLEPVQRV : 300

ANH0423 : PRYELLLKDYLRKPQDAPDRKDAERSLELISTAANHSNAAIRKVEKMHKLLLEVYEQLG : 360
 XM_053487 : PRYELLLKDYLRKPQDAPDRKDAERSLELISTAANHSNAAIRKVEKMHKLLLEVYEQLG : 360

ANH0423 : SEDIVNPANELIKEGQIQKLSAKNGTPQDRHLEFNSMILYCVPKLRIMGQKFSVREKMD : 420
 XM_053487 : SEDIVNPANELIKEGQIQKLSAKNGTPQDRHLEFNSMILYCVPKLRIMGQKFSVREKMD : 420

ANH0423 : ISGLQVQDIVKPNTAHTFIITGRKRSLELQTRTEEEKKEWIIQATIEKHKONSETFKA : 480
 XM_053487 : ISGLQVQDIVKPNTAHTFIITGRKRSLELQTRTEEEKKEWIIQATIEKHKONSETFKA : 480

ANH0423 : FGGAFSQDEDPSLSPDMPITSTSPVEPVVTEGSSGAAGLEPRKLSSKTRRDKEKQCKS : 540
 XM_053487 : FGGAFSQDEDPSLSPDMPITSTSPVEPVVTEGSSGAAGLEPRKLSSKTRRDKEKQCKS : 540

ANH0423 : CGETFNSITKRRHHCKLCGAVICGKCSEFKAENSRSRVCRCDFLTQPVAPESTEPTPT : 600
 XM_053487 : CGETFNSITKRRHHCKLCGAVICGKCSEFKAENSRSRVCRCDFLTQPVAPESTEVAPS : 600

ANH0423 : PPSLLCGPRLSESGETWSEVWAAIPMSBPQVHFGGSGOPGRLERLPLSUKLSVE : 660
 XM_053487 : SSSPPCGAAPPPTSCAPAAPASSLGVSLSPG----- : 634

ANH0423 : DEERLDSCHVWKQWAKQSWYLSASSAPPOGOWLETTSTAAGDTAODSPGALQLOVPM : 720
 XM_053487 : ----- : -

ANH0423 : SPAAAL : 725
 XM_053487 : ----- : -

FIG. 10

		*	20	*	40	*	60	
ANH0459B	:	MDAEEKKKMOMLKKIDKENALDRAEQAADKKAAEDRSKQSEEDTAAKEKLIRVSEDERDRV					:	60
ANH0459C	:	-----MAGSSSEAVRKLRSLQECADAA					:	24
ANH0459D	:	-----					:	-
NM_000366	:	MDAEEKKKMOMLKKIDKENALDRAEQAADKKAAEDRSKQSEEDTAAKEKLIRVSEDERDRV					:	60

		*	80	*	100	*	120	
ANH0459B	:	LEEHKAEEDSLAAEEAAKAEADVASTLNRRIQLVVEEELDRACERLATALOKLEEAACKAA					:	120
ANH0459C	:	EERAGTLQRELDHERKLRETAADVASTLNRRIQLVVEEELDRACERLATALOKLEEAACKAA					:	84
ANH0459D	:	-----					:	-
NM_000366	:	SEAKKDAQEKLELAEEKKATDAAADVASTLNRRIQLVVEEELDRACERLATALOKLEEAACKAA					:	120

		*	140	*	160	*	180	
ANH0459B	:	DESERGMKVIESRAQKDEEKMEIQETIQKAEAKHIAEDADRKYEEVARKLVIIESDLERAE					:	180
ANH0459C	:	DESERGMKVIESRAQKDEEKMEIQETIQKAEAKHIAEDADRKYEEVARKLVIIESDLERAE					:	144
ANH0459D	:	-----MKVIESRAQKDEEKMEIQETIQKAEAKHIAEDADRKYEEVARKLVIIESDLERAE					:	54
NM_000366	:	DESERGMKVIESRAQKDEEKMEIQETIQKAEAKHIAEDADRKYEEVARKLVIIESDLERAE					:	180

		*	200	*	220	*	240	
ANH0459B	:	ERAELSEGVROLEEQLRIMDQILKALMAAEDKYSQKEDRYEEIKNVLSDKLKEAETRAE					:	240
ANH0459C	:	ERAELSEGKCAELEEEELRTVNNLKSLEAQAQKYSQKEDRYEEIKNVLSDKLKEAETRAE					:	204
ANH0459D	:	ERAELSEGVROLEEQLRIMDQILKALMAAEDKYSQKEDRYEEIKNVLSDKLKEAETRAE					:	114
NM_000366	:	ERAELSEGVROLEEQLRIMDQILKALMAAEDKYSQKEDRYEEIKNVLSDKLKEAETRAE					:	240

		*	260	*	280		
ANH0459B	:	FAERSVTKLEKSIDDLEEKVAHAKEENLSMHOMIDQTHLELNMM				:	284
ANH0459C	:	FAERSVTKLEKSIDDLEQIYQOLEQN---RRLTNELKLALNED				:	245
ANH0459D	:	FAERSVTKLEKSIDDLEEKVAHAKEENLSMHOMIDQTHLELNMM				:	158
NM_000366	:	FAERSVTKLEKSIDDLEEKVAHAKEENLSMHOMIDQTHLELNMM				:	284

FIG. 11

		*	20	*	40	*	60	
ANH0769	:	MAVLEKRLDDOPPEYQVNFESGDPPEELRMNTHKTEDVNTEDSEKRTPEHVAALSGDAFHEMI						: 60
AL133087	:	-----						: -
		*	80	*	100	*	120	
ANH0769	:	RISGARVNAKDNMWLTPPEHRAVASRSEFAVOVTEKHSADVNAEDKNWOTPEHVAANKAV						: 120
AL133087	:	-----						: -
		*	140	*	160	*	180	
ANH0769	:	GAPVTEPELSSVAVSDRCGRVAMHHAALNGHVMVMSLBAKGANENAEKKGRRATHTA						: 180
AL133087	:	-----						: -
		*	200	*	220	*	240	
ANH0769	:	MYGHELDYVAITFINHGAFTCKDKCYTPHHAASNGCLNVWKHEENMGVEEDENYAGN						: 240
AL133087	:	-----						: -
		*	260	*	280	*	300	
ANH0769	:	VAHHLACVNGODAVVNEPTEYGANVNOPNNGGTEPHFAASTHGALCEELVYNGADVN						: 300
AL133087	:	-----						: -
		*	320	*	340	*	360	
ANH0769	:	RGSQDCKSPHEMTAVHGRFTRSQTLIQNGGEIDCVDKDGNTPLHVAARYGHELLINTLIT						: 360
AL133087	:	-----MTAVHGRFTRSQTLIQNGGEIDCVDKDGNTPLHVAARYGHELLINTLIT						: 49
		*	380	*	400	*	420	
ANH0769	:	SGADTAKCGIHSMFPLHLAALNAHSDCCRKLSSGQKYSIVSLESNEHVLSAGFEIDTPD						: 420
AL133087	:	SGADTAKCGIHSMFPLHLAALNAHSDCCRKLSSGQKYSIVSLESNEHVLSAGFEIDTPD						: 109
		*	440	*	460	*	480	
ANH0769	:	KFGRTCLHAAAAGGNVECIKLLQSSGADFHKKDKCGRTPLHYAAANCHFHCIETLVTTGA						: 480
AL133087	:	KFGRTCLHAAAAGGNVECIKLLQSSGADFHKKDKCGRTPLHYAAANCHFHCIETLVTTGA						: 169
		*	500	*	520	*	540	
ANH0769	:	NVNETDDWGRTALHYAAASDMDRNKTILGNAHDNSEELERARELKEKEATLCLEFLLQND						: 540
AL133087	:	NVNETDDWGRTALHYAAASDMDRNKTILGNAHDNSEELERARELKEKEATLCLEFLLQND						: 229
		*	560	*	580	*	600	
ANH0769	:	ANPSIRDKEGYNSIHYAAAYGHRQCLELLLERTNSGFEESSGATKSPHLAAAYNGHHQA						: 600
AL133087	:	ANPSIRDKEGYNSIHYAAAYGHRQCLELLLERTNSGFEESSGATKSPHLAAAYNGHHQA						: 289
		*	620	*	640	*	660	
ANH0769	:	LEVLLQSLVDLDIRDEKGR TALDLAAFKGHTECVEALINQGASIFVKDNVTKRTPLHASV						: 660
AL133087	:	LEVLLQSLVDLDIRDEKGR TALDLAAFKGHTECVEALINQGASIFVKDNVTKRTPLHASV						: 349
		*	680	*	700	*	720	
ANH0769	:	INGHTLCRLRLLEIADNPEAVDVKDAKGQTPLMLAVAYGHIDAVSLLLEKEANVDTV DII						: 720
AL133087	:	INGHTLCRLRLLEIADNPEAVDVKDAKGQTPLMLAVAYGHIDAVSLLLEKEANVDTV DII						: 409

FIG. 12A

		*	740	*	760	*	780	
ANH0769	:	GCTALHRGIMTGHEECVQMLLEQEVSI						: 780
AL133087	:	GCTALHRGIMTGHEECVQMLLEQEVSI						: 469
		*	800	*	820	*	840	
ANH0769	:	EDCCFKDNQGYTPLHWACYNGNENCIEVL						: 840
AL133087	:	EDCCFKDNQGYTPLHWACYNGNENCIEVL						: 529
		*	860	*	880	*	900	
ANH0769	:	LLGAIDSSIVSCRDDKGRTP						: 900
AL133087	:	LLGAIDSSIVSCRDDKGRTP						: 589
		*	920	*	940	*	960	
ANH0769	:	GOAGAVDILVNSAQADLT						: 960
AL133087	:	GOAGAVDILVNSAQADLT						: 649
		*	980	*				
ANH0769	:	QTP					: 994	
AL133087	:	QTP					: 683	

FIG. 12B

		*	20	*	40	*		
ANH0668	:	MHQTYSRHCRPEESTFSAAMTTMQGMEQAMPGAGPGVPQLGNMAVIHSHL					:	50
XM_015539	:	MHQTYSRHCRPEESTFSAAMTTMQGMEQAMPGAGPGVPQLGNMAVIHSHL					:	50
		60	*	80	*	100		
ANH0668	:	WKGLQEKFLKGEKPKVLGVVQILTALMSLSMGITMMCMASNTYGSNPISVY					:	100
XM_015539	:	WKGLQEKFLKGEKPKVLGVVQILTALMSLSMGITMMCMASNTYGSNPISVY					:	100
		*	120	*	140	*		
ANH0668	:	IGYTIWGSVMFIISGSLSLAAGIRTTKGL					:	129
XM_015539	:	IGYTIWGSVMFIISGSLSLAAGIRTTKGL					:	150
		160	*	180	*	200		
ANH0668	:	GLDGMVLLLSVLEFCIAV					:	147
XM_015539	:	GLDGMVLLLSVLEFCIAV					:	200
		*	220	*				
ANH0668	:	SLSAFGCKVLCCTPGGVVLILPSHSHMAETASPTPLNEV					:	186
XM_015539	:	SLSAFGCKVLCCTPGGVVLILPSHSHMAETASPTPLNEV					:	239

FIG. 14

ANH0757	:	M P O P S V S G M D P P E G D A E R S H T P S F O T M M S T D L L A N S S D P D E M Y E F D R E M N Y O O N P R D N E E	:	60
XM_087631	:	-----	:	-
ANH0757	:	S T E E D C K L I E N T H E S R T O W E D N E G A L T S N W E O W D T Y C E D L N V G A N K I T S E D I W G T E N V D Y P C E	:	120
XM_087631	:	-----	:	-
ANH0757	:	D D E S S Y O D F E V T S K E P L F A O I N S P D S O S V S D S F A P D S T R S V K O N R P P S S E P G K K G A S E	:	180
XM_087631	:	-----	:	-
ANH0757	:	T A A P V C S S K L L T O A E V P L S D G V O K A S K P P S S T O L M V I C F N M H N E K V N E H V E G K D Y A K K A K V	:	240
XM_087631	:	-----	:	-
ANH0757	:	K E N P V O O S R P L T S O I R T D A A K E N T C Y C G A V A K R O E K R G M E P T O G H A T P A L P E K L I O E L F I	:	300
XM_087631	:	-----	:	-
ANH0757	:	S P L P O E G P C S L A G P S S T P S A C T S V S D S S O K K E E H N Y S T E V S D N E G E O P T K G S P E E D E E D	:	360
XM_087631	:	-----	:	-
ANH0757	:	E E D V D D E D H D E G F G S E H E E S E N E E E E E E E D Y E D D K D D D I S D T F S E P G Y E N D S V E D L K E V	:	420
XM_087631	:	-----	:	-
ANH0757	:	T S I S S K R G K R R Y E T E A S E O T P S O O E R M L R P S E W N R D T L P S N M Y Q K N G L H H G K Y A V K K S	:	480
XM_087631	:	----- M L R P S E W N R D T L P S N M Y Q K N G L H H G K Y A V K K S	:	32
ANH0757	:	R R T D V E D L T P N P K L L Q I G N E L R K L N K V I S D L T P V S E L P L T A R P R S R K E K N K O D E R A C R I	:	540
XM_087631	:	R R T D V E D L T P N P K L L Q I G N E L R K L N K V I S D L T P V S E L P L T A R P R S R K E K N S W I P E L V G -	:	91
ANH0757	:	K K A O Y E A N K Y K E N G M U R F A O N E L E V I N S T R O D L Y A R Y O N P R D E R G P N I G O G R E S H A K D I	:	600
XM_087631	:	-----	:	-
ANH0757	:	I G E R V A G O T S E V N Q V E E K T A E G N P T G E R V G I R E E T S K Y	:	639
XM_087631	:	-----	:	-

FIG. 15

		*	20	*	40	*	60	
ANH0687A	:	MSDTRRRVKVYTLNEDRQWDDRGTGHVSSTYVEELKGMSSLVRAESDGSLLLESKINPNT						: 60
ANH0687B	:	MSDTRRRVKVYTLNEDRQWDDRGTGHVSSTYVEELKGMSSLVRAESDGSLLLESKINPNT						: 60
XM_048092	:	MSDTRRRVKVYTLNEDRQWDDRGTGHVSSTYVEELKGMSSLVRAESDGSLLLESKINPNT						: 60

		*	80	*	100	*	120	
ANH0687A	:	AYOKQODTLIVWSEAENYDLALSFOEKAGCDEIWEKICQ-----						: 99
ANH0687B	:	AYOKQODTLIVWSEAENYDLALSFOEKAGCDEIWEKICQVGGKDPSEVETQDLIDSEEEE						: 120
XM_048092	:	AYOKQODTLIVWSEAENYDLALSFOEKAGCDEIWEKICQVGGKDPSEVETQDLIDSEEEE						: 120

		*	140	*	160	*	180	
ANH0687A	:	-----						: -
ANH0687B	:	RFEEMPETSHLIDLRITCELNKLLEETADIVTSVLSSPIPREKLALADENEGYIKKLLQLFC						: 180
XM_048092	:	RFEEMPETSHLIDLRITCELNKLLEETADIVTSVLSSPIPREKLALADENEGYIKKLLQLFC						: 180

		*	200	*	220	*	240	
ANH0687A	:	-----						: -
ANH0687B	:	ACENLENTGELHHLVETIRGILFLNKATLFEVMESEDECIMDVVGCLEYDPALAQPKHRE						: 240
XM_048092	:	ACENLENTGELHHLVETIRGILFLNKATLFEVMESEDECIMDVVGCLEYDPALAQPKHRE						: 240

		*	260	*	280	*	300	
ANH0687A	:	-----						: -
ANH0687B	:	ELTKTAKEKEVLEITDSELROKIHQTYRVOYIQDILPTPSVEEENFLSTLTSELEFNKV						: 300
XM_048092	:	ELTKTAKEKEVLEITDSELROKIHQTYRVOYIQDILPTPSVEEENFLSTLTSELEFNKV						: 300

		*	320	*	340	*	360	
ANH0687A	:	-----EDEKFLSEVFQAQLTDEATDDDKRRELNVNFFKEFCAFSQTLOPQNRDAFFKTLA						: 152
ANH0687B	:	ELVSMLEDEKFLSEVFQAQLTDEATDDDKRRELNVNFFKEFCAFSQTLOPQNRDAFFKTLA						: 360
XM_048092	:	ELVSMLEDEKFLSEVFQAQLTDEATDDDKRRELNVNFFKEFCAFSQTLOPQNRDAFFKTLA						: 360

		*	380	*	400	*	420	
ANH0687A	:	KLGILPALEIVMGMDLQVRSAAITDIFSYLVEFSPSMVREFVMQEAQQSDDILLINVVI						: 212
ANH0687B	:	KLGILPALEIVMGMDLQVRSAAITDIFSYLVEFSPSMVREFVMQEAQQSDDILLINVVI						: 420
XM_048092	:	KLGILPALEIVMGMDLQVRSAAITDIFSYLVEFSPSMVREFVMQEAQQSDDILLINVVI						: 420

		*	440	*	460	*	480	
ANH0687A	:	EQMICDTPDELGGAVQLMGLLRTLIDPENMLATTNKTEKSEFLNFFYNHCHMVLTAPLLT						: 272
ANH0687B	:	EQMICDTPDELGGAVQLMGLLRTLIDPENMLATTNKTEKSEFLNFFYNHCHMVLTAPLLT						: 480
XM_048092	:	EQMICDTPDELGGAVQLMGLLRTLIDPENMLATTNKTEKSEFLNFFYNHCHMVLTAPLLT						: 480

		*	500	*	520	*	540	
ANH0687A	:	NTSEDKCEKDEFLKHRYRSWSEICTPSHSHSHSTPSSSISQDNIVGSNKNNTICPDNYQT						: 332
ANH0687B	:	NTSEDKCEKD-----NIVGSNKNNTICPDNYQT						: 508
XM_048092	:	NTSEDKCEKDEFLKHRYRSWSEICTPSHSHSHSTPSSSISQDNIVGSNKNNTICPDNYQT						: 540

FIG. 16A

		*	560	*	580	*	600	
ANH0687A	:	AQLLALILELLTFCVEHHTYHIKNIYIMNKDLLRRVLVLMNSKHTFLALCALRFMRRIIGL						: 392
ANH0687B	:	AQLLALILELLTFCVEHHTYHIKNIYIMNKDLLRRVLVLMNSKHTFLALCALRFMRRIIGL						: 568
XM_048092	:	AQLLALILELLTFCVEHHTYHIKNIYIMNKDLLRRVLVLMNSKHTFLALCALRFMRRIIGL						: 600

		*	620	*	640	*	660	
ANH0687A	:	KDEFYNRYITKGNLFEPVINALLDNGTRYNLLNSAVIELEEFIRVEDIKSLTAHIVENFY						: 452
ANH0687B	:	KDEFYNRYITKGNLFEPVINALLDNGTRYNLLNSAVIELEEFIRVEDIKSLTAHIVENFY						: 628
XM_048092	:	KDEFYNRYITKGNLFEPVINALLDNGTRYNLLNSAVIELEEFIRVEDIKSLTAHIVENFY						: 660

		*	680	*	700	*	720	
ANH0687A	:	KALESIEYVQTFKGLKTKYEQEKDRQNQKLNVSILRSNRFRRDAKALEEDEEMWFNED						: 512
ANH0687B	:	KALESIEYVQTFKGLKTKYEQEKDRQNQKLNVSILRSNRFRRDAKALEEDEEMWFNED						: 688
XM_048092	:	KALESIEYVQTFKGLKTKYEQEKDRQNQKLNVSILRSNRFRRDAKALEEDEEMWFNED						: 720

		*	740	*	760	*	780	
ANH0687A	:	EEEEGKAVVAPVEKPKPEDDFPDNYEKFMETKKAKESDKENLPKRTSPGGGFKFTFSHSA						: 572
ANH0687B	:	EEEEGKAVVAPVEKPKPEDDFPDNYEKFMETKKAKESDKENLPKRTSPGGGFKFTFSHSA						: 748
XM_048092	:	EEEEGKAVVAPVEKPKPEDDFPDNYEKFMETKKAKESDKENLPKRTSPGGGFKFTFSHSA						: 780

		*	800	*	820	*	840	
ANH0687A	:	SAANGTNSKSVVAQIPPATSNNGSSSKTTNLPSTVTATKGSVLVGLVDYPDDEEEDEEEESS						: 632
ANH0687B	:	SAANGTNSKSVVAQIPPATSNNGSSSKTTNLPSTVTATKGSVLVGLVDYPDDEEEDEEEESS						: 808
XM_048092	:	SAANGTNSKSVVAQIPPATSNNGSSSKTTNLPSTVTATKGSVLVGLVDYPDDEEEDEEEESS						: 840

ANH0687A	:	PRKRPRLG	:	641
ANH0687B	:	PRKRPRLG	:	817
XM_048092	:	PRKRPRLG	:	849

FIG. 16B

			*	20	*	40	*	
ANH0693	:	MOREEKQTEASLDALLSOVADLKNSIGSEHCKLENEYCRITWPSVLDSEFA	:	50				
NM_052877	:	-----	:	-				
		60	*	80	*	100		
ANH0693	:	ELSCGLNHLNKNVLEKHLKLPITERNQVAPPEVLSPPDRDEDEIMROTEGRVPVF	:	100				
NM_052877	:	-----	:	13				
		*	120	*	140	*		
ANH0693	:	SHEVVDPHLRTPDPEVEEQEKQLTTDAARIGADAAQKQIQSLNKMCSNL	:	150				
NM_052877	:	SHEVVDPHLRTPDPEVEEQEKQLTTDAARIGADAAQKQIQSLNKMCSNL	:	63				
		160	*	180	*	200		
ANH0693	:	LEKISKEERESESGLRPNKQTFNPTDTNALVAAVAFGKGLSNWRPSGSS	:	200				
NM_052877	:	LEKISKEERESESGLRPNKQTFNPTDTNALVAAVAFGKGLSNWRPSGSS	:	113				
		*	220	*	240	*		
ANH0693	:	GPGQAGQPGAGTILAGTSGLQQVQMAGAPSQQQPMLSGVQMAQAGQPGKM	:	250				
NM_052877	:	GPGQAGQPGAGTILAGTSGLQQVQMAGAPSQQQPMLSGVQMAQAGQPGKM	:	163				
		260	*	280	*	300		
ANH0693	:	PSGIKTNIKSASMHPYOR-----	:	268				
NM_052877	:	PSGIKTNIKSASMHPYORPSCLGELTAPLRRKVKKLLGOEGCKKNAHLOT	:	213				
ANH0693	:	- : -						
NM_052877	:	W : 214						

FIG. 17

	*	500	*	520	*	540	
ANH0122A :	REEERRREMAKEAKRLKEFLEDYDDDRDDPKYYRGSALQKRLRDREKEMEADERDRKREK						: 540
ANH0122B :	REEERRREMAKEAKRLKEFLEDYDDDRDDPKYYRGSALQKRLRDREKEMEADERDRKREK						: 476
AAF19255 :	REEERRREMAKEAKRLKEFLEDYDDDRDDPKYYRGSALQKRLRDREKEMEADERDRKREK						: 481
AAC97961 :	REEERRREMAKEAKRLKEFLEDYDDDRDDPKYYRGSALQKRLRDREKEMEADERDRKREK						: 432

	*	560	*	580	*	600	
ANH0122A :	EELEEIRQRLLAEGHPDPAELQRMQEAEARRRQPOIKQEPESEEEEEEKQEKEEKREEF						: 600
ANH0122B :	EELEEIRQRLLAEGHPDPAELQRMQEAEARRRQPOIKQEPESEEEEEEKQEKEEKREEF						: 536
AAF19255 :	EELEEIRQRLLAEGHPDPAELQRMQEAEARRRQPOIKQEPESEEEEEEKQEKEEKREEF						: 541
AAC97961 :	EELEEIRQRLLAEGHPDPAELQRMQEAEARRRQPOIKQEPESEEEEEEKQEKEEKREEF						: 492

	*	620	*	640	*	660	
ANH0122A :	MEEEEEPEQKPCCLKPTLRPISSAPSVSSASGNATPNTPGDESPCGIIPHENSPOQQQPE						: 660
ANH0122B :	MEEEEEPEQKPCCLKPTLRPISSAPSVSSASGNATPNTPGDESPCGIIPHENSPOQQQPE						: 596
AAF19255 :	MEEEEEPEQKPCCLKPTLRPISSAPSVSSASGNATPNTPGDESPCGIIPHENSPOQQQPE						: 601
AAC97961 :	MEEEEEPEQKPCCLKPTLRPISSAPSVSSASGNATPNTPGDESPCGIIPHENSPOQQQPE						: 552

	*	680	*	700	*	720	
ANH0122A :	EHRPKIGLSLKL GASNSPGQPN SVKRKKLPVDSVFNKFEDESDDDVPRKRKLVPLDYGED						: 720
ANH0122B :	EHRPKIGLSLKL GASNSPGQPN SVKRKKLPVDSVFNKFEDESDDDVPRKRKLVPLDYGED						: 656
AAF19255 :	EHRPKIGLSLKL GASNSPGQPN SVKRKKLPVDSVFNKFEDESDDDVPRKRKLVPLDYGED						: 661
AAC97961 :	EHRPKIGLSLKL GASNSPGQPN SVKRKKLPVDSVFNKFEDESDDDVPRKRKLVPLDYGED						: 612

	*	740	*	760	*	780	
ANH0122A :	DKNATKGTVNTEEKRRKHIKSLIEKIPTAKPELFAYPLDWSIVDSILMERRIRPWINKKII						: 780
ANH0122B :	DKNATKGTVNTEEKRRKHIKSLIEKIPTAKPELFAYPLDWSIVDSILMERRIRPWINKKII						: 716
AAF19255 :	DKNATKGTVNTEEKRRKHIKSLIEKIPTAKPELFAYPLDWSIVDSILMERRIRPWINKKII						: 721
AAC97961 :	DKNATKGTVNTEEKRRKHIKSLIEKIPTAKPELFAYPLDWSIVDSILMERRIRPWINKKII						: 672

	*	800	*	820	*	840	
ANH0122A :	EYIGEEEATLVDFVCSKVMAHSSPQSILDDVAMVLDDEAEVFIVKMWRLLIYETEAKKIG						: 840
ANH0122B :	EYIGEEEATLVDFVCSKVMAHSSPQSILDDVAMVLDDEAEVFIVKMWRLLIYETEAKKIG						: 776
AAF19255 :	EYIGEEEATLVDFVCSKVMAHSSPQSILDDVAMVLDDEAEVFIVKMWRLLIYETEAKKIG						: 781
AAC97961 :	EYIGEEEATLVDFVCSKVMAHSSPQSILDDVAMVLDDEAEVFIVKMWRLLIYETEAKKIG						: 732

ANH0122A :	LVK	: 843
ANH0122B :	LVK	: 779
AAF19255 :	LVK	: 784
AAC97961 :	LVK	: 735

FIG. 18B

		*	740	*	760	*	780	
ANH0316	:	APTPKKPAPKELAPTTTKEPTSTTCDKPAPTPKGTAPTPKKEPAPTPKKEPAPTPKG					:	696
XM_001738	:	APTPKKPAPKELAPTTTKEPTSTTCDKPAPTPKGTAPTPKKEPAPTPKKEPAPTPKG					:	780
		*	800	*	820	*	840	
ANH0316	:	TAPTTLKEPAPTPPKKAPKELAPTTTKGPTSTTS DKPAPTPKETAPTPKKEPAPTPK					:	756
XM_001738	:	TAPTTLKEPAPTPPKKAPKELAPTTTKGPTSTTS DKPAPTPKETAPTPKKEPAPTPK					:	840
		*	860	*	880	*	900	
ANH0316	:	KPAPTPETPPPTTSEVSTPTTTKEPTTIHKSPDESTPELSAEPKALENSPKKEGVP					:	816
XM_001738	:	KPAPTPETPPPTTSEVSTPTTTKEPTTIHKSPDESTPELSAEPKALENSPKKEGVP					:	900
		*	920	*	940	*	960	
ANH0316	:	TKTPAATKPEMTTAKDKTTERDLRTPETTTAAPKMTKETATTTEKTTESKITATTTQV					:	876
XM_001738	:	TKTPAATKPEMTTAKDKTTERDLRTPETTTAAPKMTKETATTTEKTTESKITATTTQV					:	960
		*	980	*	1000	*	1020	
ANH0316	:	TSTTTQDTPFKITTLKTTTLAPKVTTTKKTTITTEIMNKPEETAKPKDRATNSKATTPK					:	936
XM_001738	:	TSTTTQDTPFKITTLKTTTLAPKVTTTKKTTITTEIMNKPEETAKPKDRATNSKATTPK					:	1020
		*	1040	*	1060	*	1080	
ANH0316	:	PQKPTKAPKKTSTKKPKTMPVRKPKTTPTPRKMTSTMPELNPTSRIAEAMLQTTTRPN					:	996
XM_001738	:	PQKPTKAPKKTSTKKPKTMPVRKPKTTPTPRKMTSTMPELNPTSRIAEAMLQTTTRPN					:	1080
		*	1100	*	1120	*	1140	
ANH0316	:	QTPNSKLVEVNPKSEDAGGAEGETPHMLLRPHVFMPEVTPDMDYLPRVPNQGIINPMLS					:	1056
XM_001738	:	QTPNSKLVEVNPKSEDAGGAEGETPHMLLRPHVFMPEVTPDMDYLPRVPNQGIINPMLS					:	1140
		*	1160	*	1180	*	1200	
ANH0316	:	DETNICNGKPV DGLTTLRNGTLVAFRGHYFWMLSPFSPSPARRITEVWGIPSPIDTVFT					:	1116
XM_001738	:	DETNICNGKPV DGLTTLRNGTLVAFRGHYFWMLSPFSPSPARRITEVWGIPSPIDTVFT					:	1200
		*	1220	*	1240	*	1260	
ANH0316	:	RCNCEGKTFFFKDSQYWRFTNDIKDAGYKPIFKGFGGLTGQIVAALSTAKYKNWPESVY					:	1176
XM_001738	:	RCNCEGKTFFFKDSQYWRFTNDIKDAGYKPIFKGFGGLTGQIVAALSTAKYKNWPESVY					:	1260
		*	1280	*	1300	*	1320	
ANH0316	:	FFKRGGSIQQYIYKQEPVQKCPGRRPALNYPVYGETTQVRRRRFERAIGPSQHTIRIQY					:	1236
XM_001738	:	FFKRGGSIQQYIYKQEPVQKCPGRRPALNYPVYGETTQVRRRRFERAIGPSQHTIRIQY					:	1320
		*	1340	*	1360	*	1380	
ANH0316	:	SPARLAYQDKGVLHNEVKVSILWRGLPNVVTSAISLENIRKPDGYDYAFSKDQYYNIDV					:	1296
XM_001738	:	SPARLAYQDKGVLHNEVKVSILWRGLPNVVTSAISLENIRKPDGYDYAFSKDQYYNIDV					:	1380
		*	1400					
ANH0316	:	PSRTARAITTRSGQTL SKVWYNCF					:	1320
XM_001738	:	PSRTARAITTRSGQTL SKVWYNCF					:	1404

FIG. 19B